WEIGHT AND BALANCE COMPUTATION UH-60L - TRANSPORT

DATE 200706		AIRCRAFT TYPE	UH-60L	FROM		HOME STATION	SLE		
MISSION		SERIAL NO.	96-26667	TO		PILOT			
REMARKS				REF	ITEM			WEIGHT	MOM / 1000
				1	Basic Aircraft (from chart C)			11630	4126.8
Bambi Bucket, cables, etc.		266	lbs.	2					
				3	Crew (Number)		2	440	100
100% capacity		780 gal		4	Crew Baggage				
90% capacity		702 gal		5	Steward Equipment				
80% capacity		624 gal		6	Emergency Equip.				
70% capacity		546 gal		7	Extra Equip.				
				8					
Note Takeoff fuel 1/2 full (180 gal)				9	Operating Weight			12070	4227
				10	Takeoff Fuel (Gal.)		180	1206	507
Water weighs 8.3 lbs. Per gallon				11	Water Inj.				
				12	Total Aircraft Weight			13276	4734
				13. Distribution of allowable payload					
				Passengers / Crew					
				Weight	No.	Arm			
					0	262.0		0	0
				220	1	282.0	Crew Chief	220	62
				200	0	282.0	Medical Attendant(s)	0	0
					0	320.7		0	0
					0	339.8		0	0
				200	0	387.2	CE and SI	0	0
				25	0	387.2	CE Tools	0	0
				Cargo / Patients					
				Weight	No.	Arm			
				0	0	271.0		0	0
				380	0	367.5	Hoist Load	0	0
				25	0	343.6	Litter	0	0
				200	0	343.6	Litter Patient(s)	0	0
				3500	0	352.6	Fuel Blivet	0	0
				266	1	352.6	Bambi Bucket	266	94
				8.3	546	352.6	Water in Bucket	4531.8	1598
								0	0
					702	= 90%			
					624	= 80%			
					546	= 70%			
Limitations									
Condition	Takeoff	Landing	Fuel						
Allowable GW	23,500	22000		16	Takeoff Condition (Uncorrected)			18293.8	6488
Total Acft. Wt.	13276			17	Takeoff CG		354.6		
Ref I14+I52		12271		18	Corrections if required				
Operating Wt.			12070	19	Takeoff condition corrected				
Allowable Load	10224	9729		20	Takeoff CG				
(use smallest figure)				21	Zero Fuel Wt.				
				22	Less Air Drop Cargo				
Permissable CG	Forward	Aft				Water in Bucket		4531.8	1598
Takeoff	347	361							
Permissable CG	Forward	Aft							
Landing	342.5	364.5		23	Estimated Landing Fuel (gal)		30	201	85
				24	Estimated Landing Condition			12757	4467
				25	Estimated Landing CG		350.2		
DD FORM 365-4									